

Fig. 1

With Offsets F and no Overlay Error

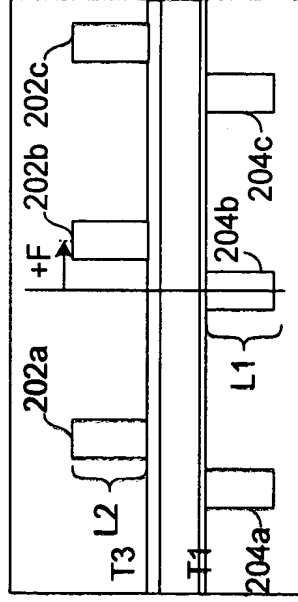
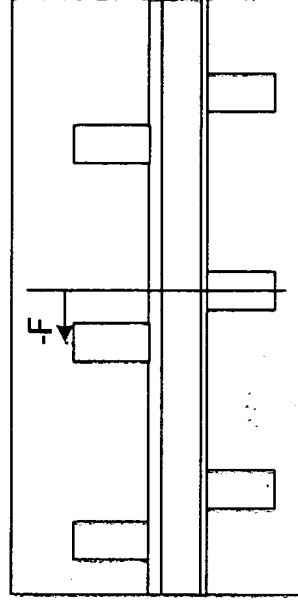


Fig. 2(a)

Fig. 2(b)



With Offsets  $F + f_0$  and no Overlay Error

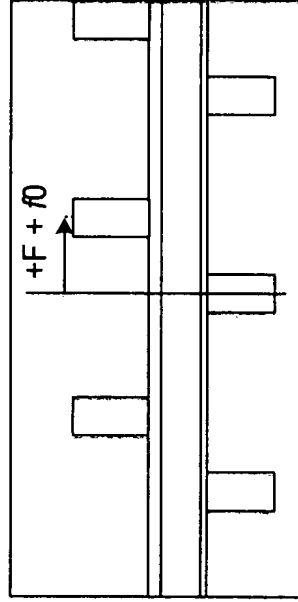
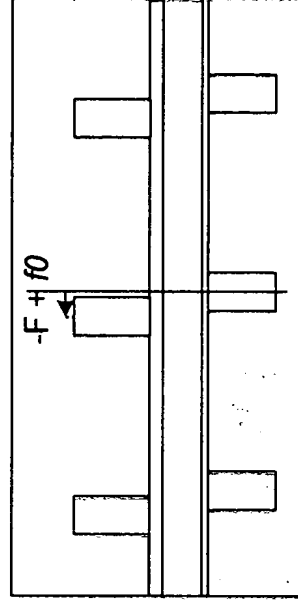


Fig. 2(c)

Fig. 2(d)



With Offsets  $F + f_0$  and Overlay Error E

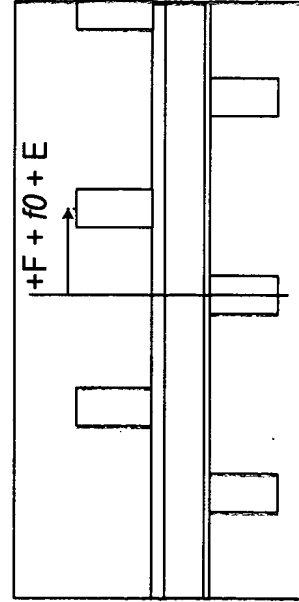
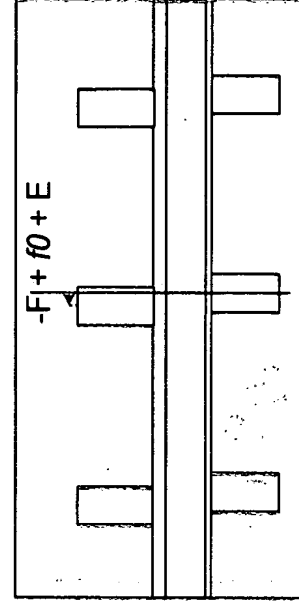


Fig. 2(e)

Fig. 2(f)



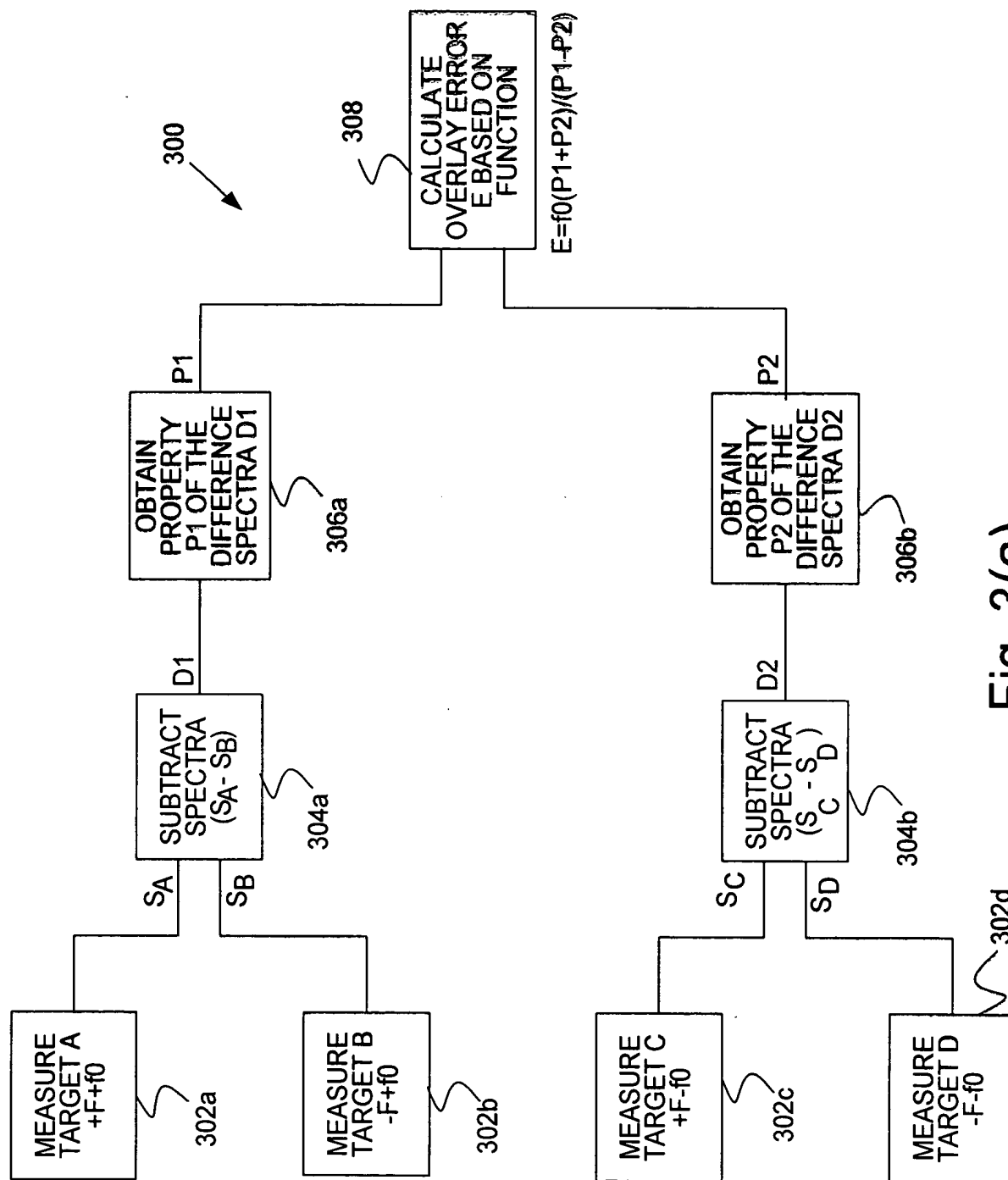
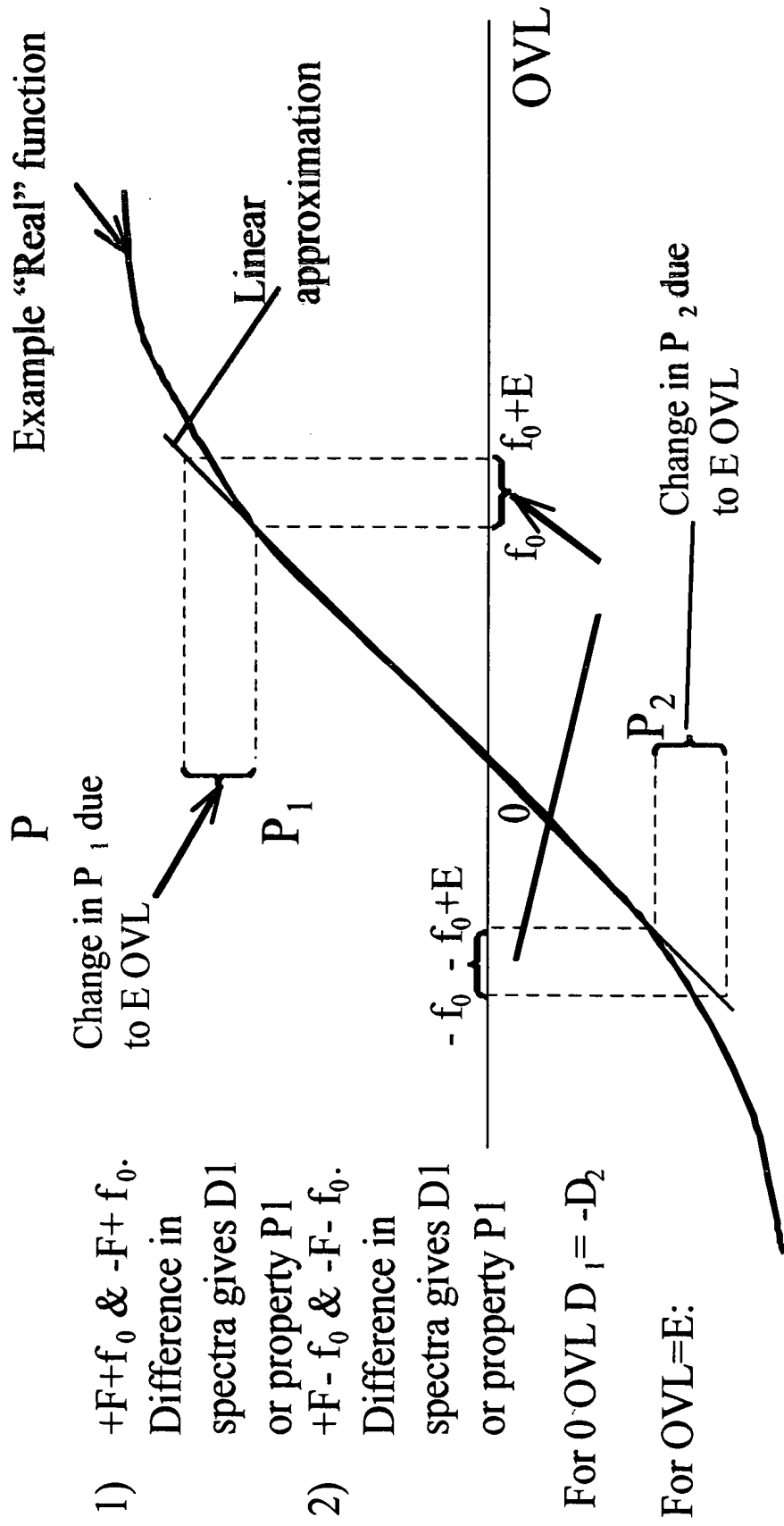


Fig. 3(a)



$$\frac{P_1}{+f_0 + E} = \frac{P_2}{-f_0 + E} \Rightarrow E = f_0 \frac{P_1 + P_2}{P_1 - P_2}$$

**Fig. 3(b)**

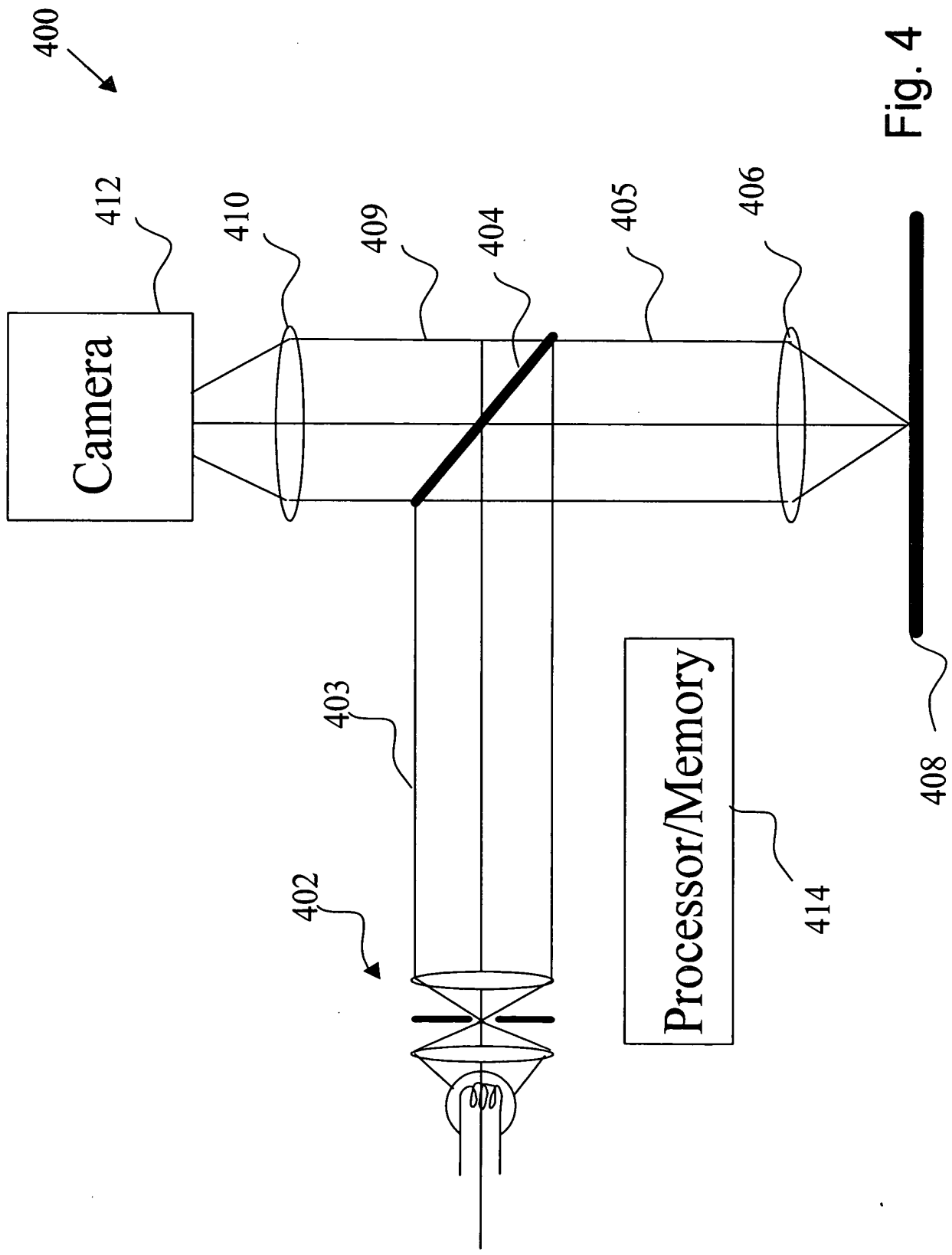


Fig. 4

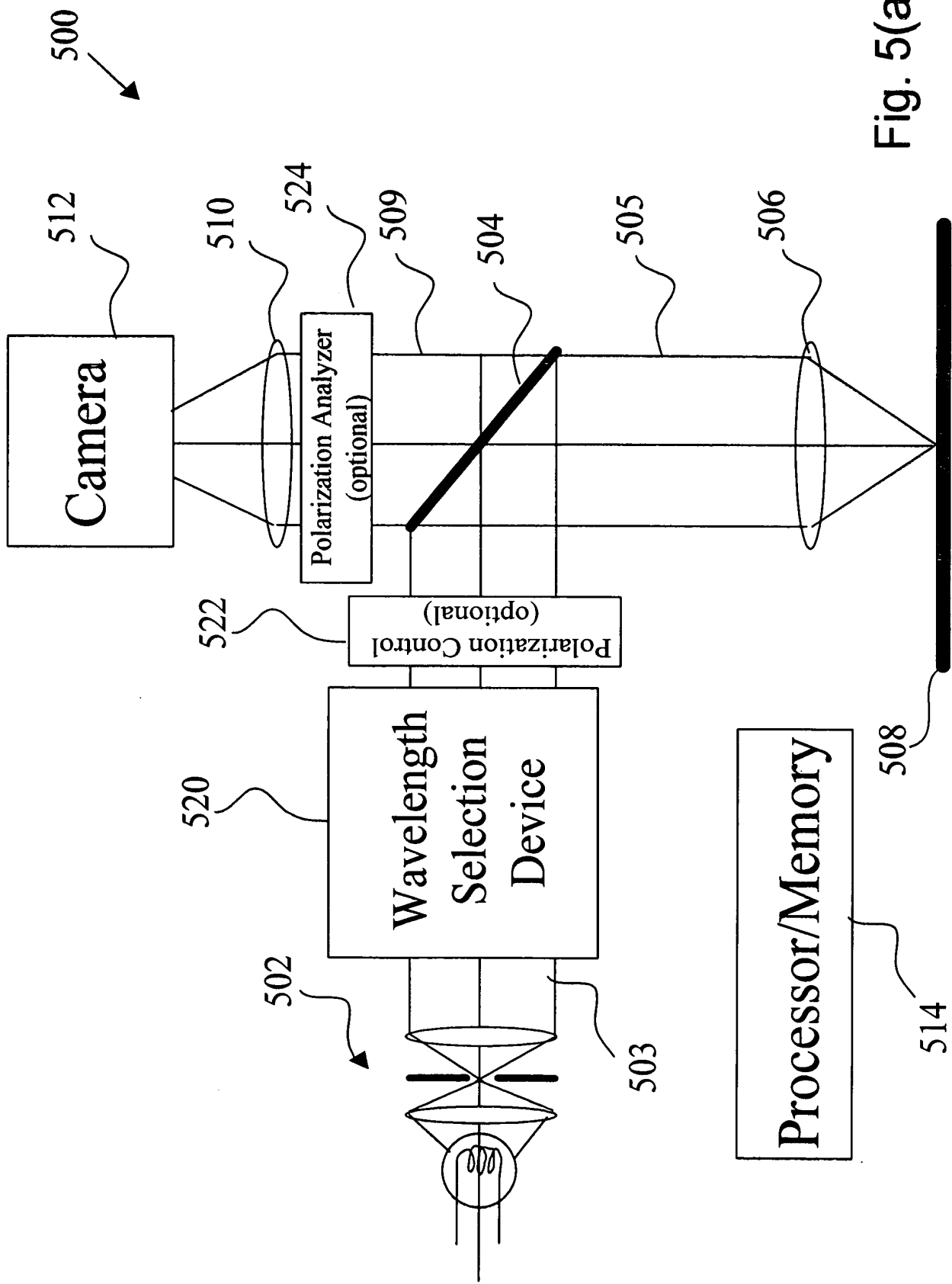
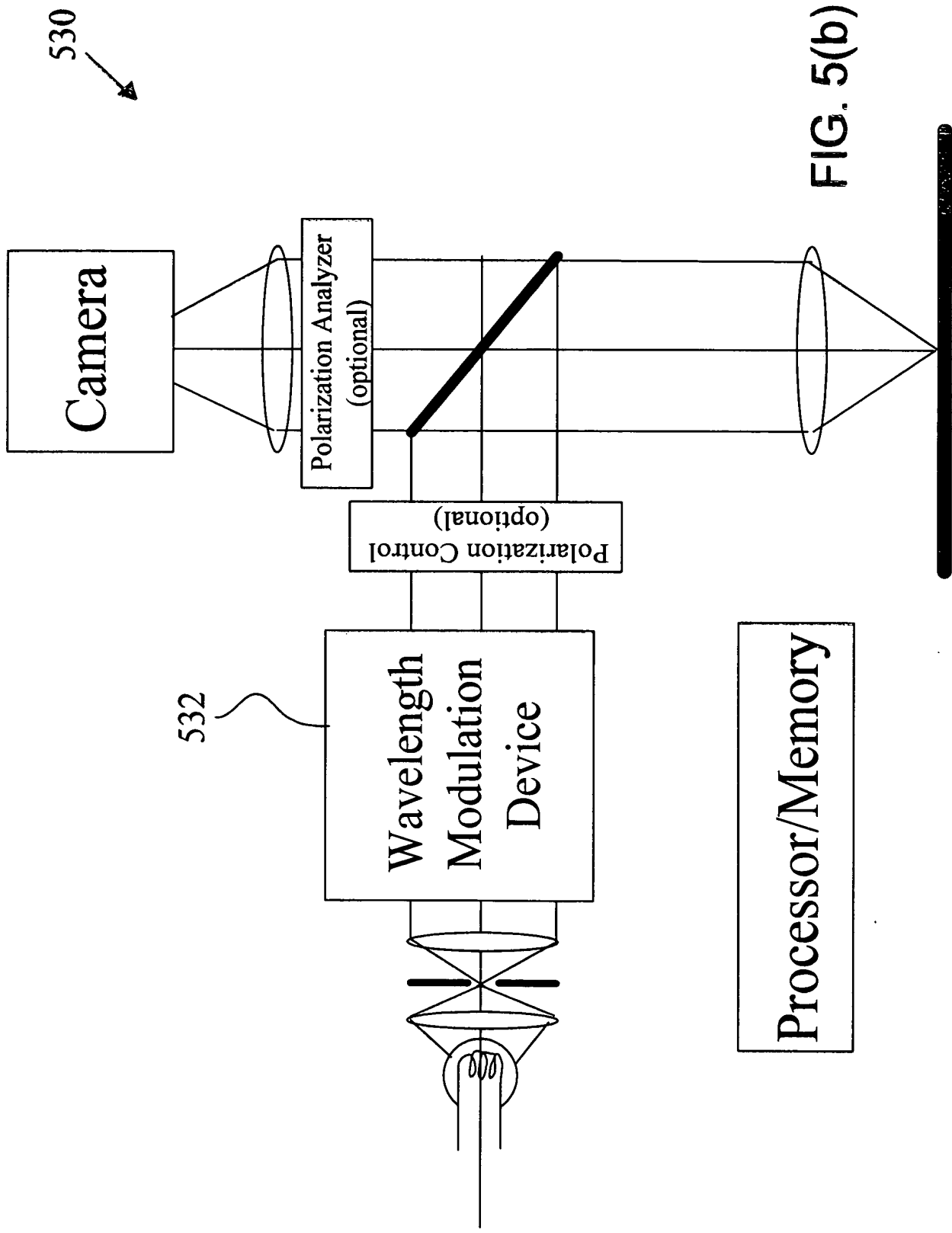


Fig. 5(a)



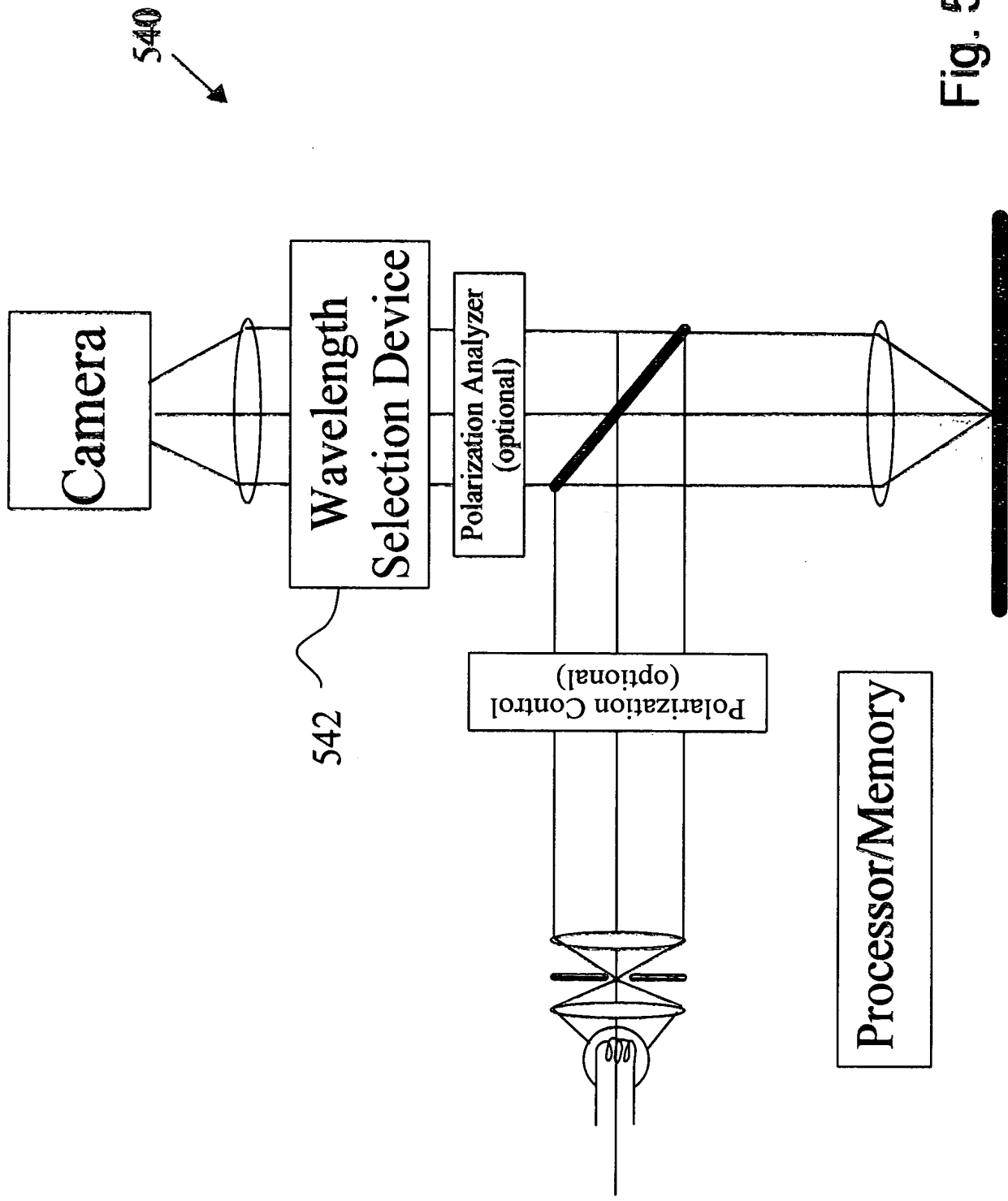


Fig. 5(c)



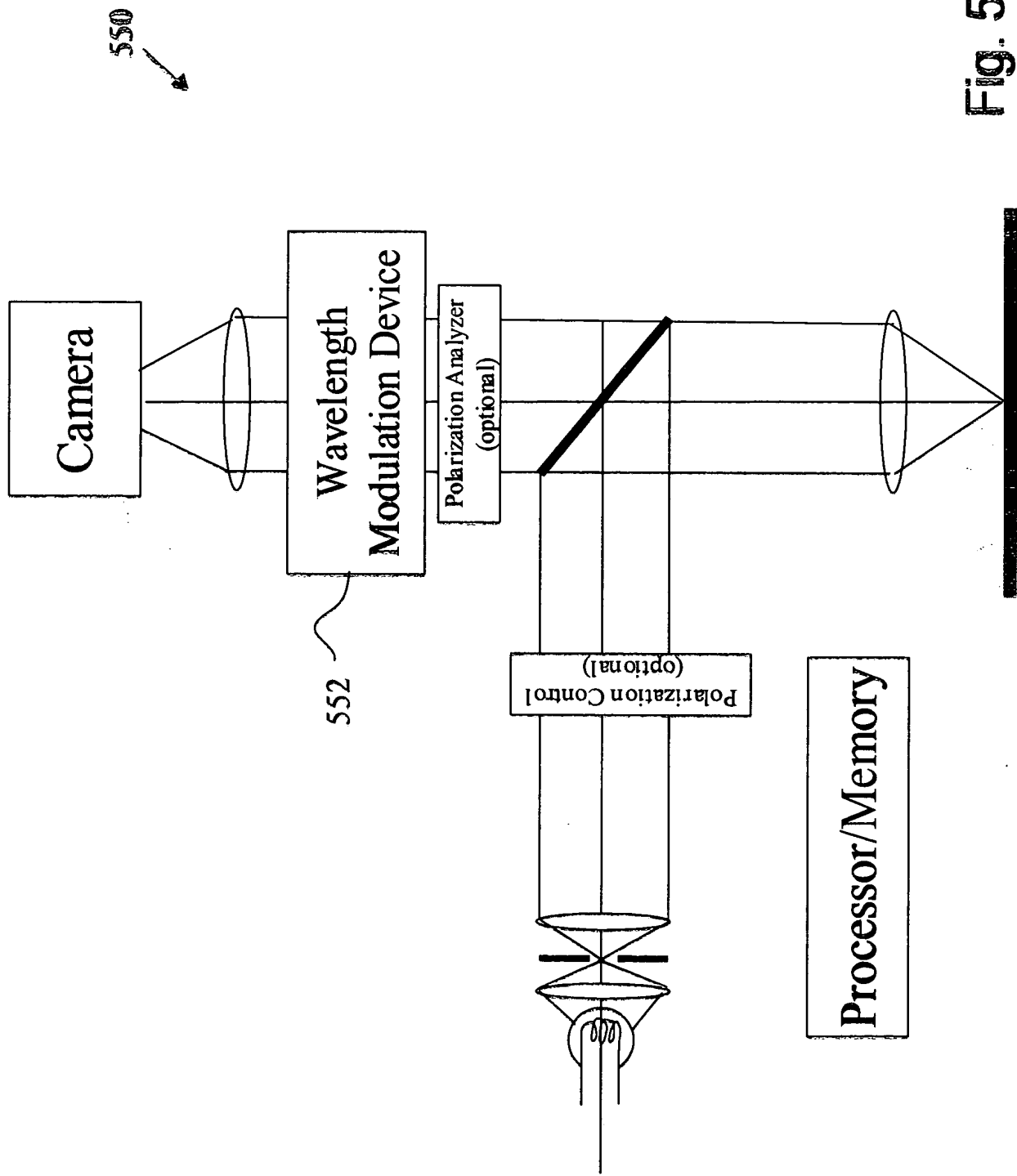


Fig. 5(d)

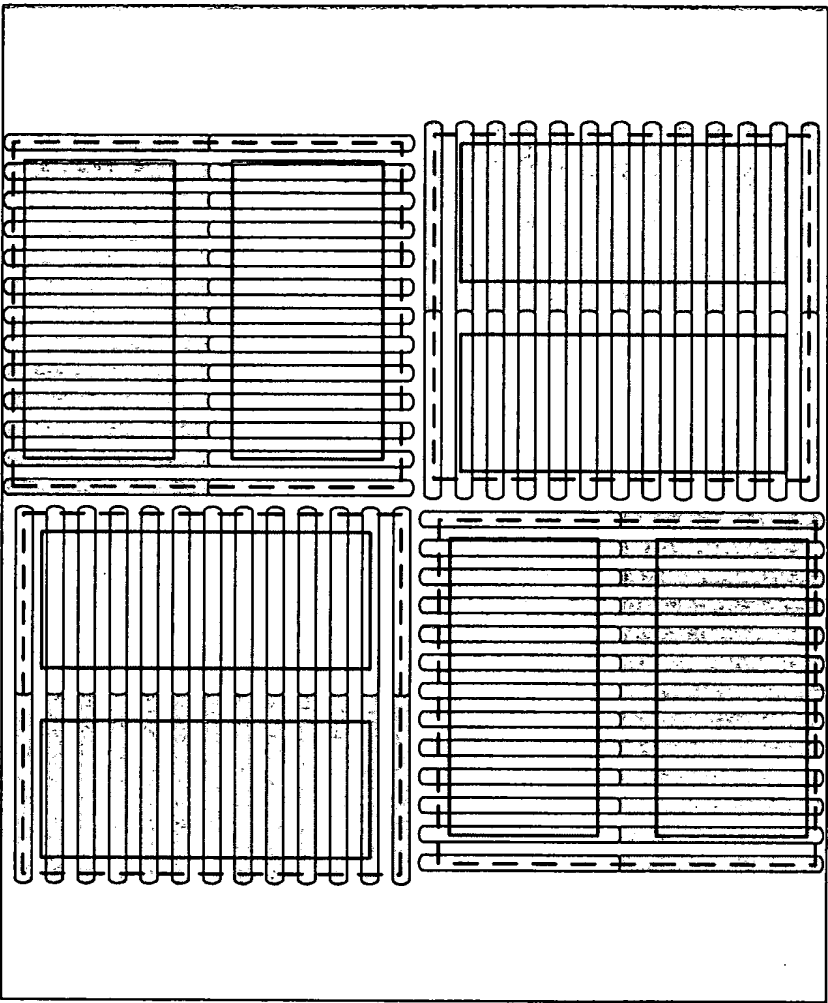


FIG. 5(e)

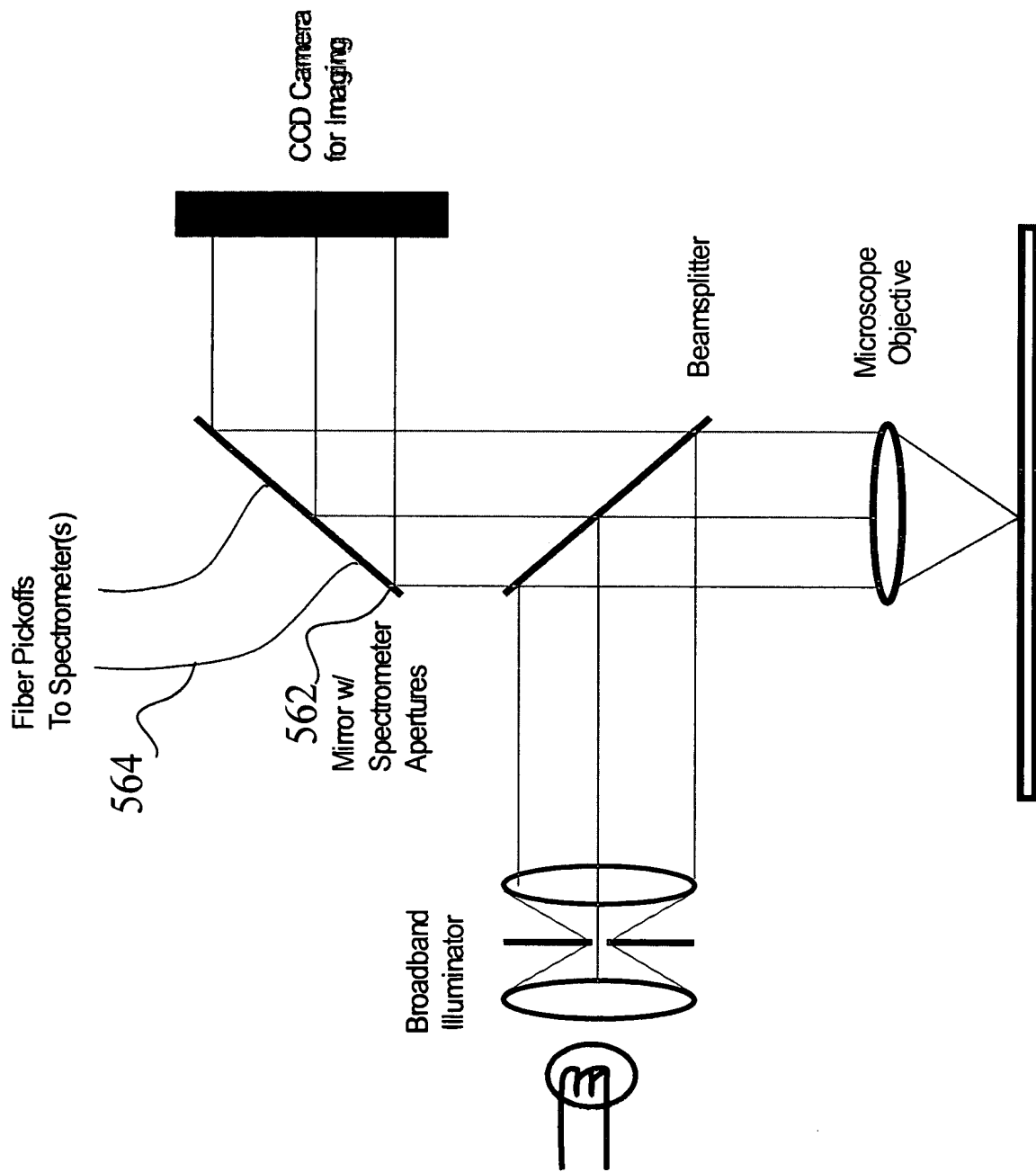


FIG. 5(f)

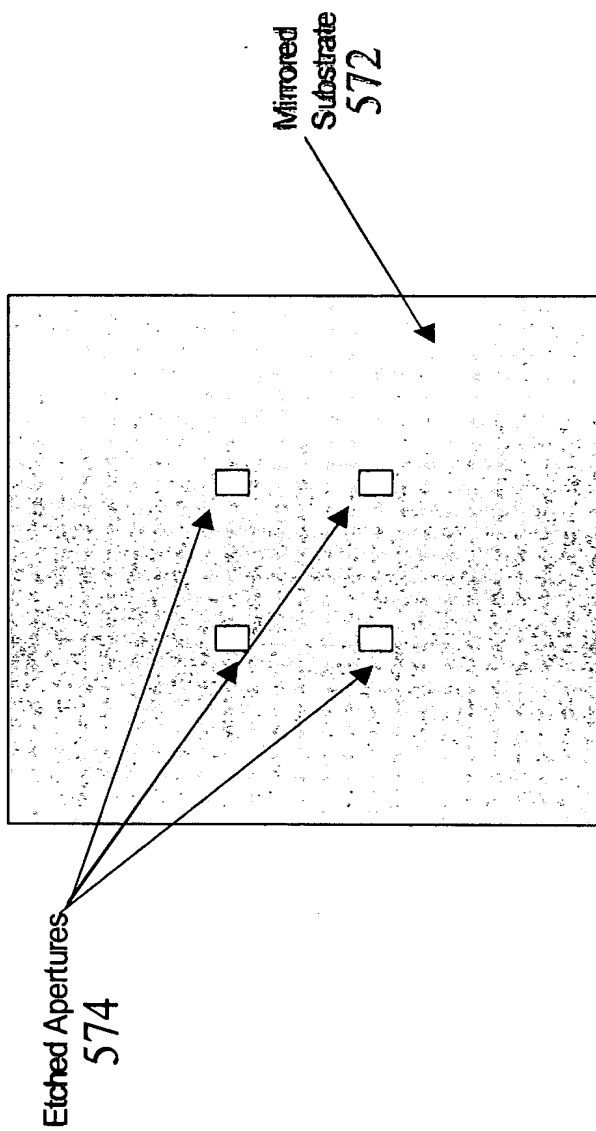


FIG. 5(g)

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where spectrometers sample  
582

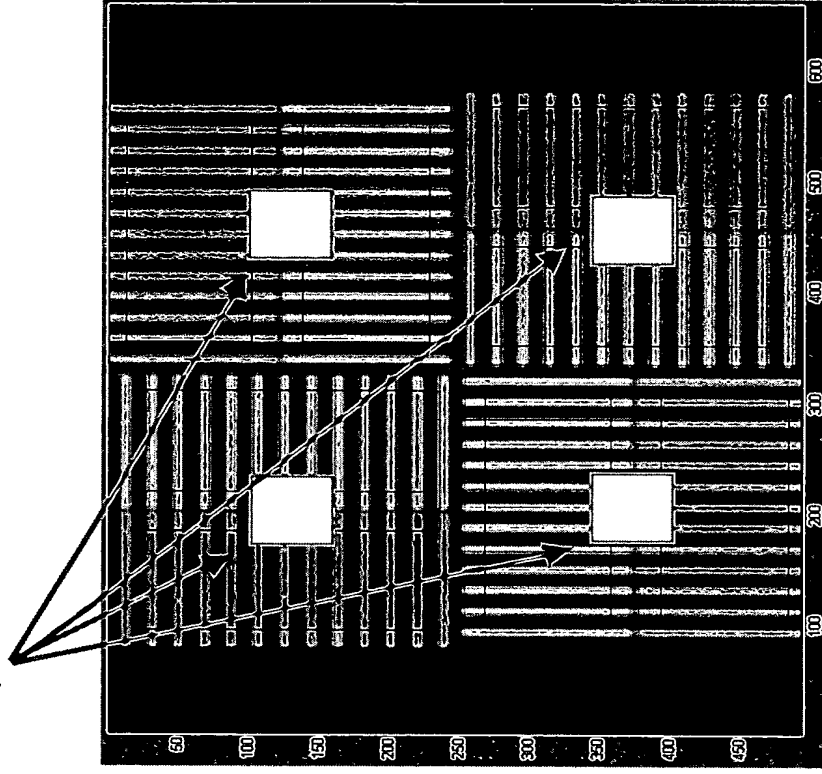
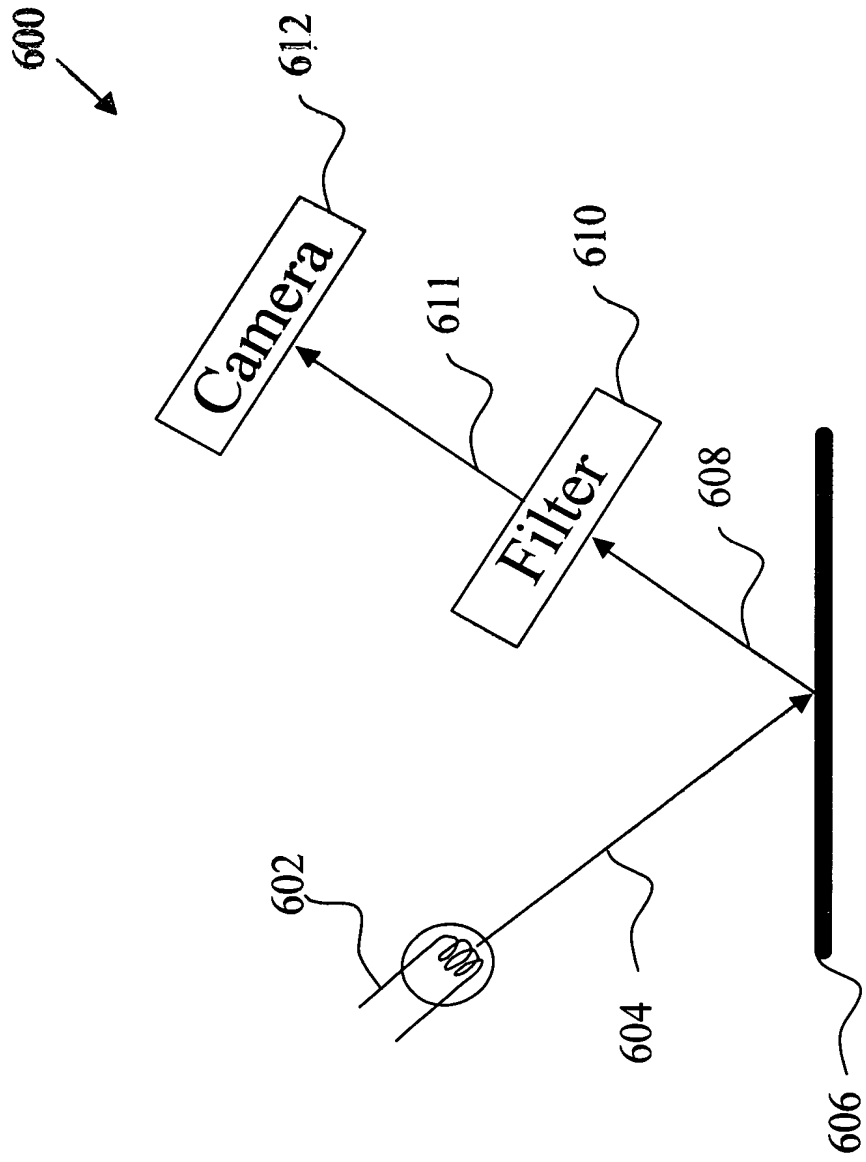


FIG. 5(h)



**Fig. 6**

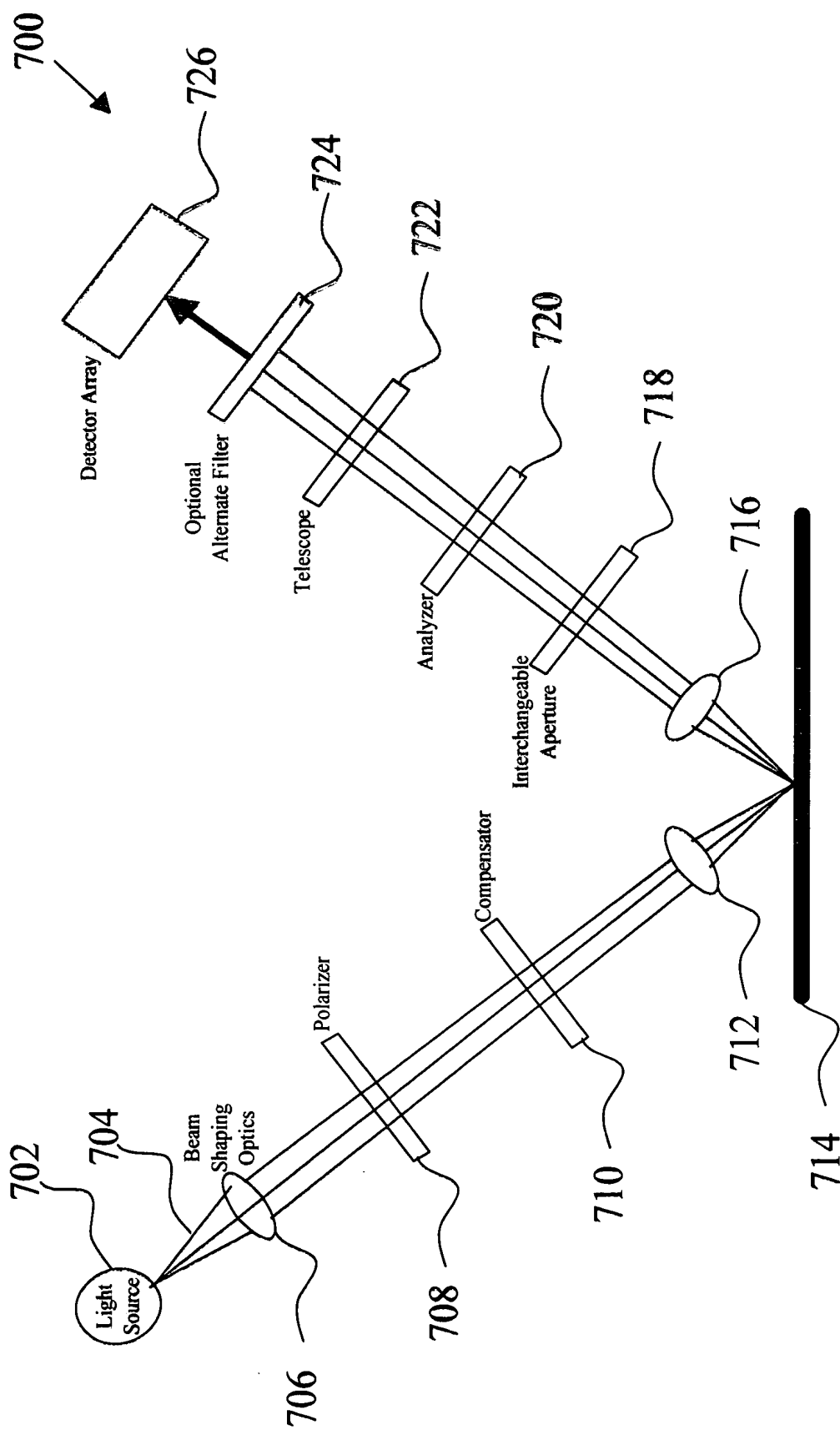
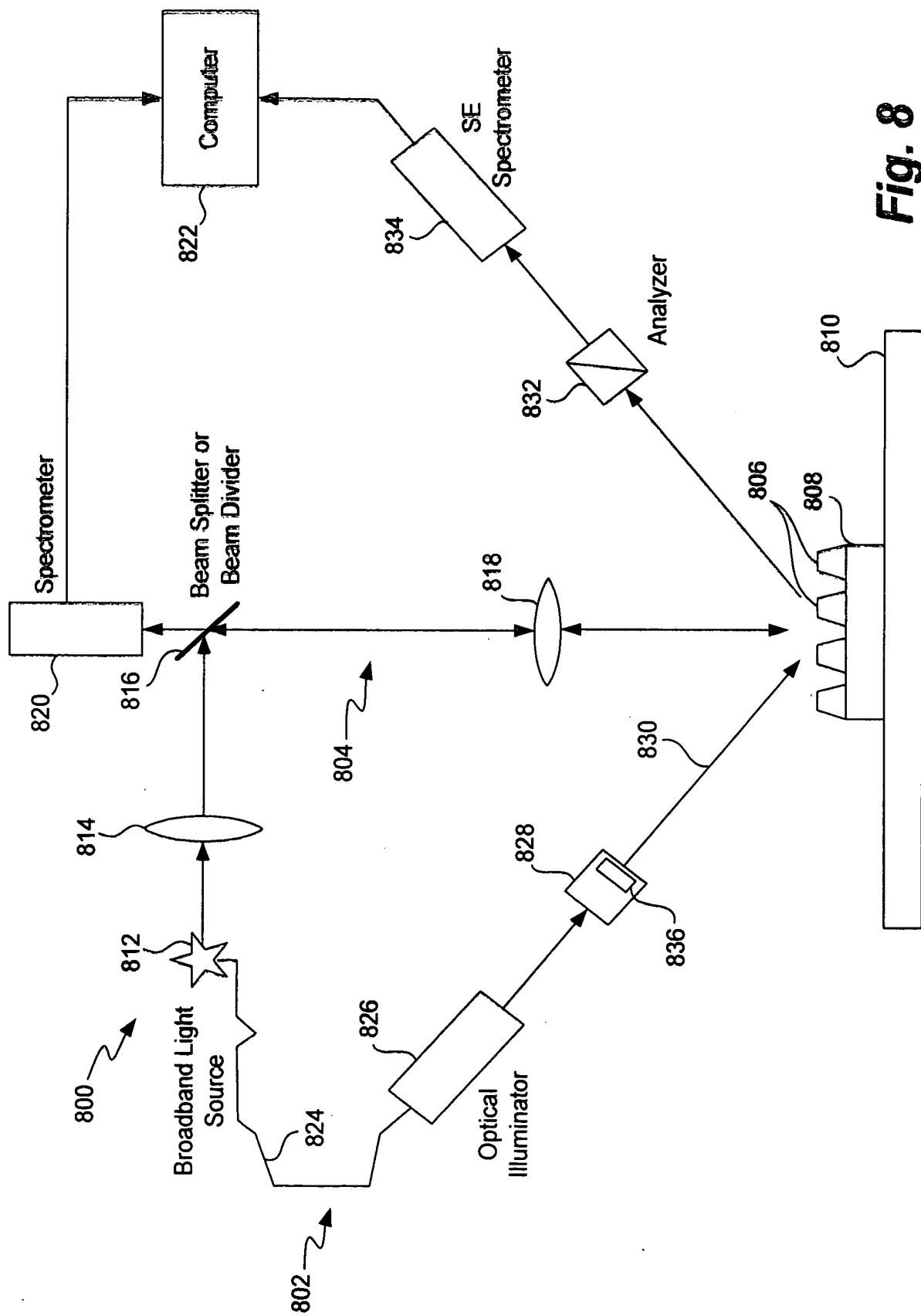


Fig. 7



**Fig. 8**



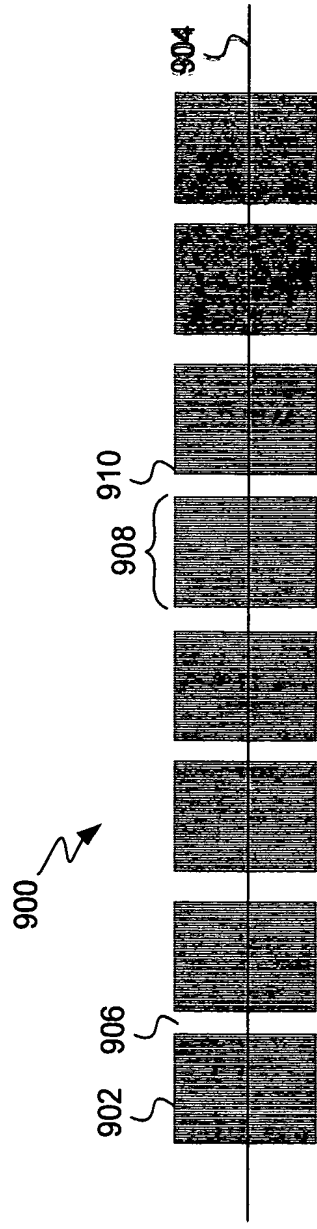


Fig. 9(a)

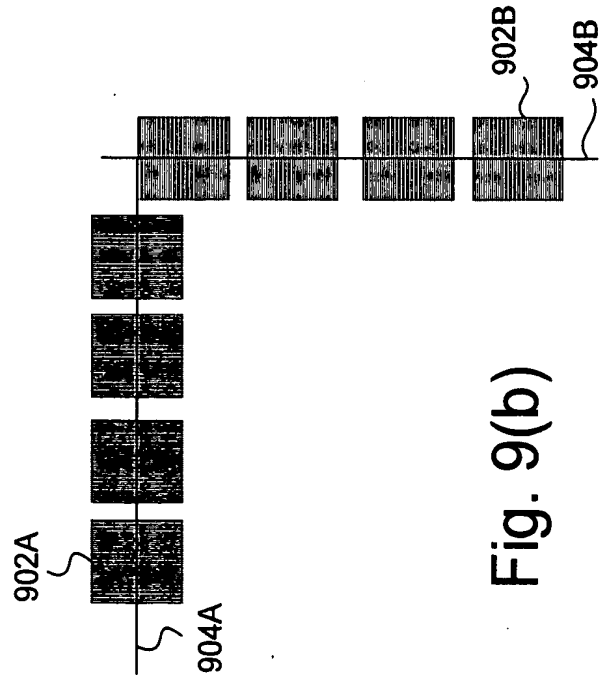


Fig. 9(b)

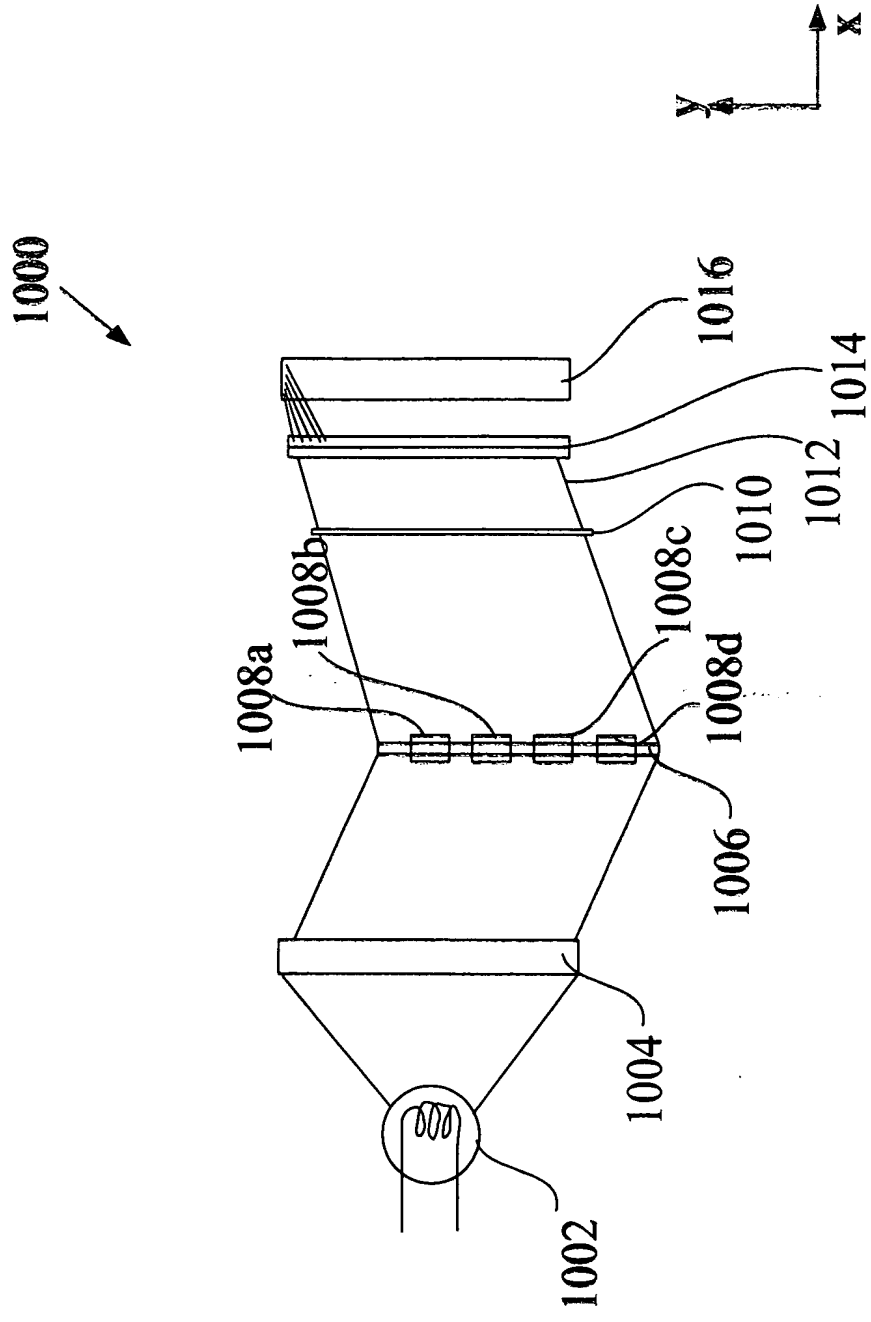


Fig. 10

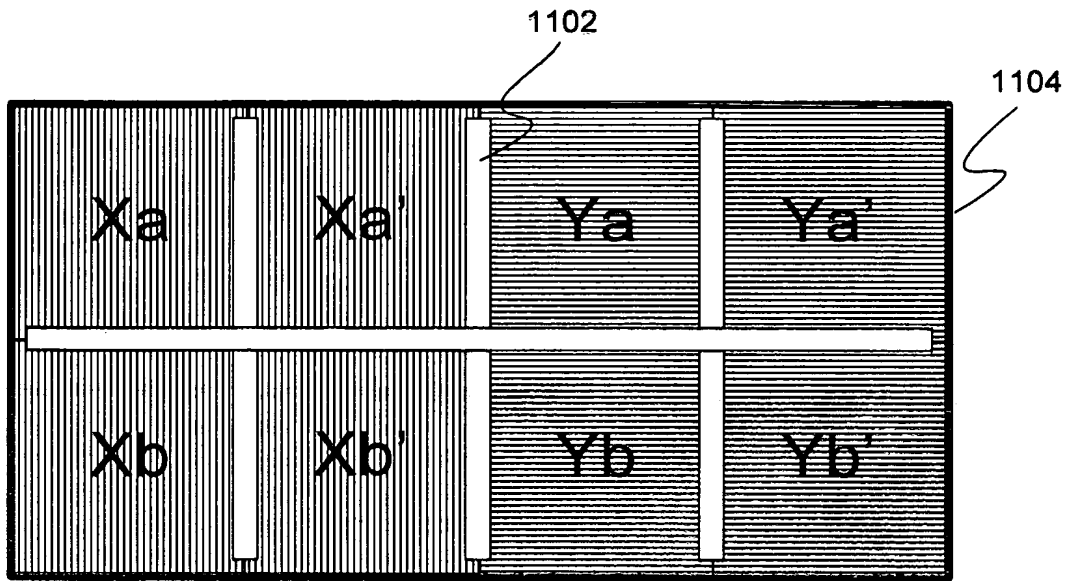


Fig. 11a

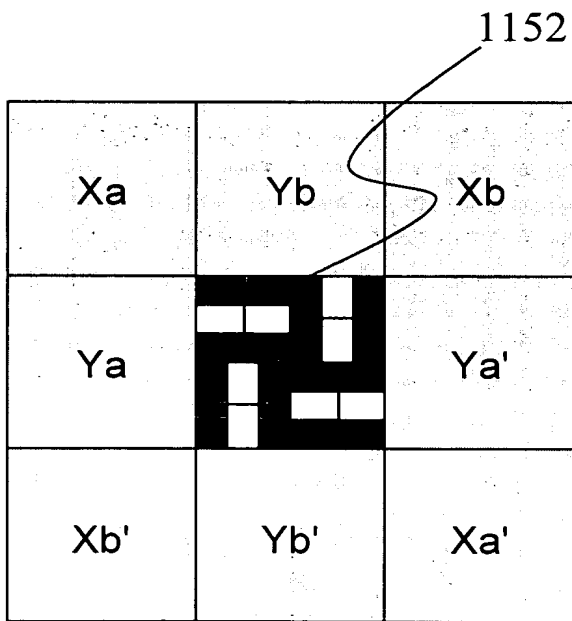


Fig. 11b

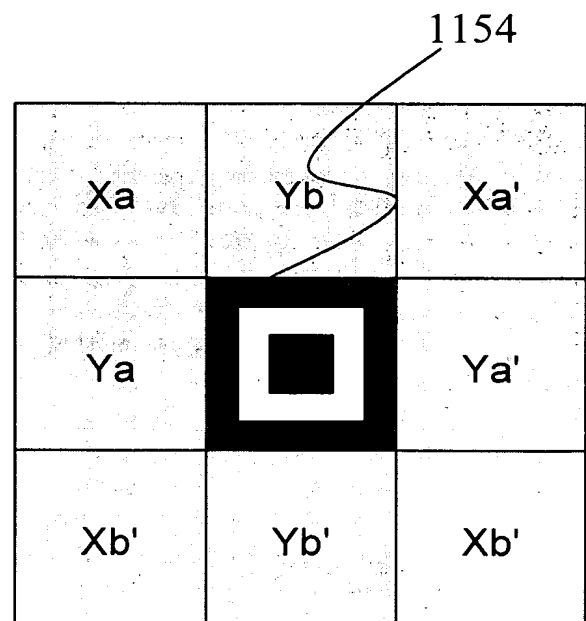


Fig. 11c

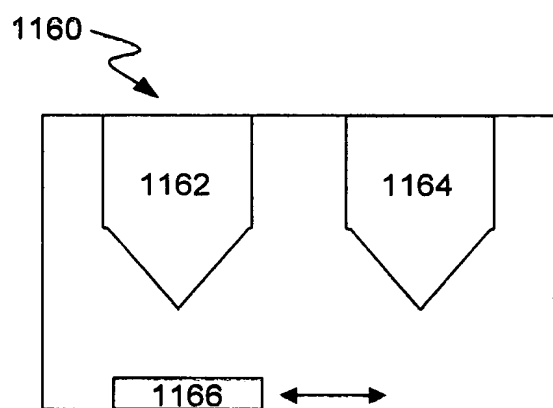


Fig. 11d

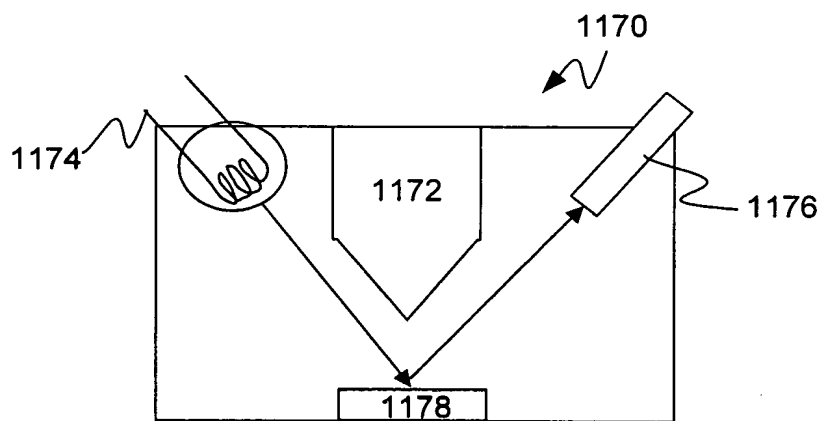


Fig. 11e

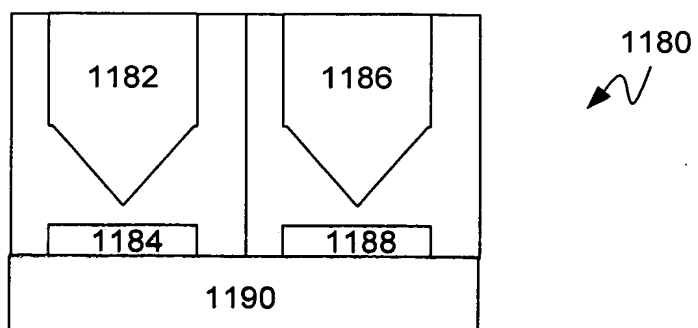


Fig. 11f

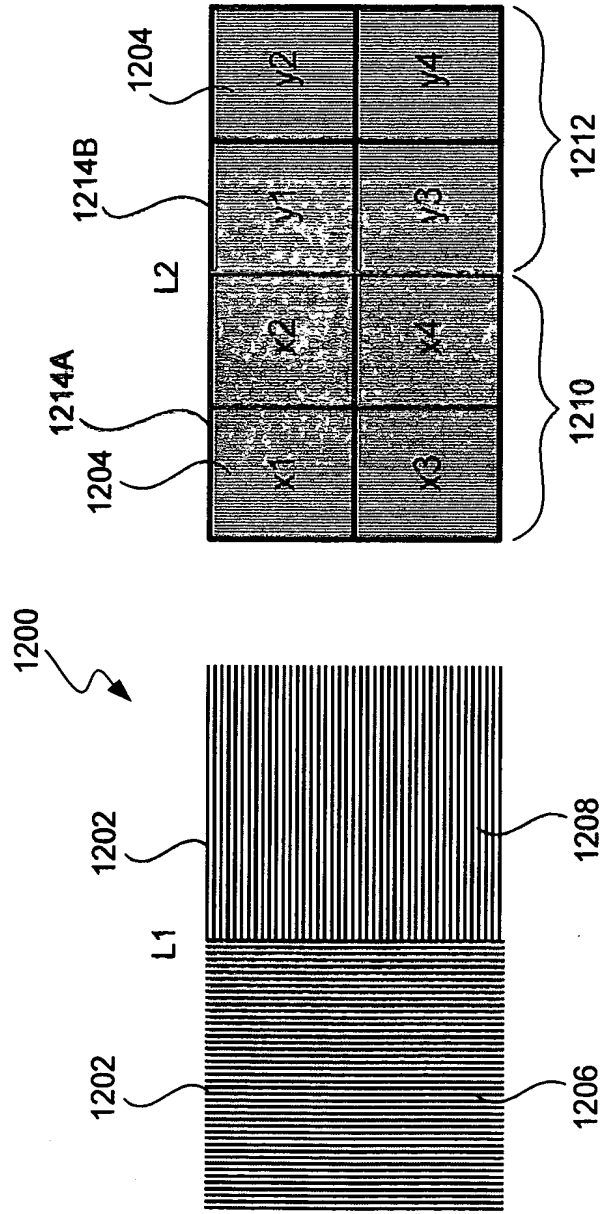


Fig. 12

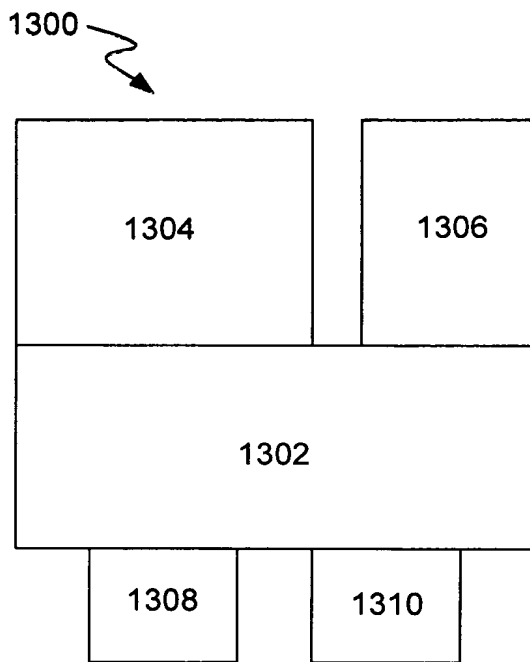


Fig. 13(a)

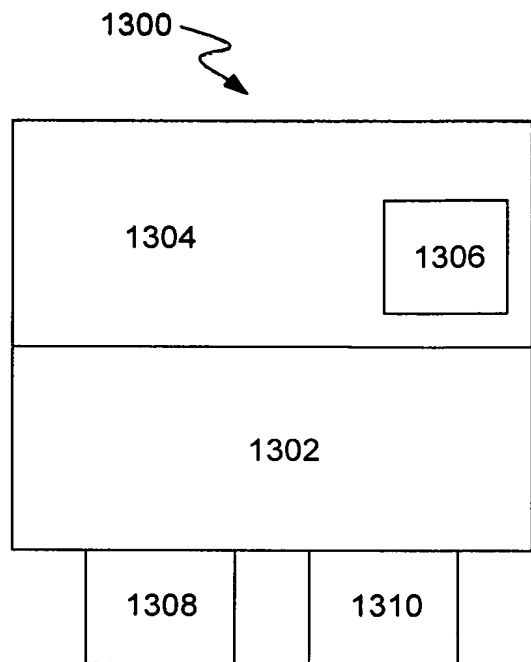


Fig. 13(b)

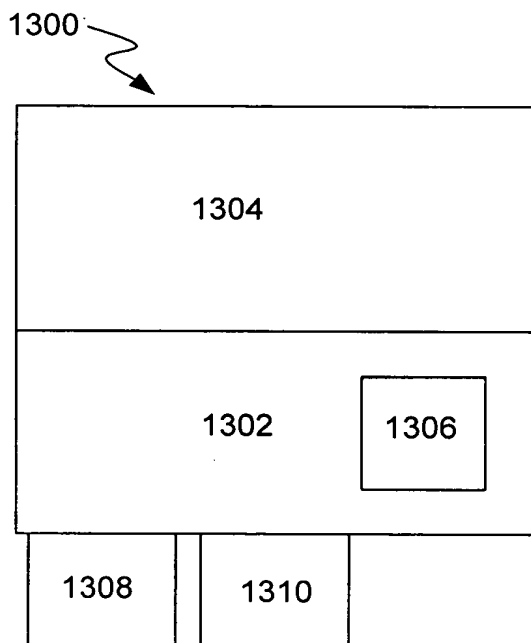


Fig. 13(c)

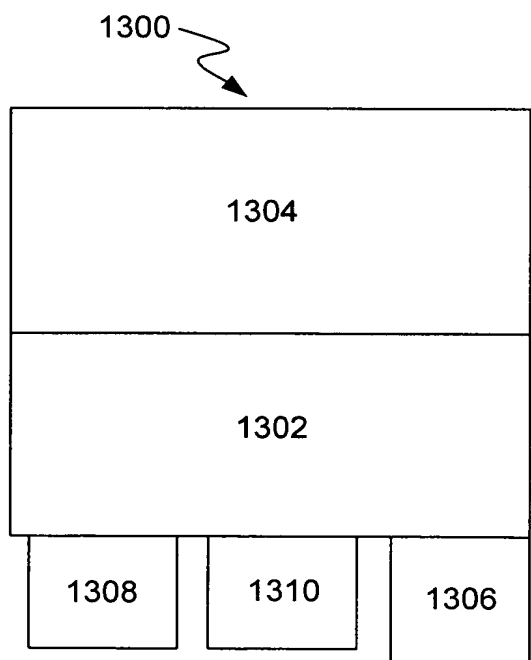


Fig. 13(d)

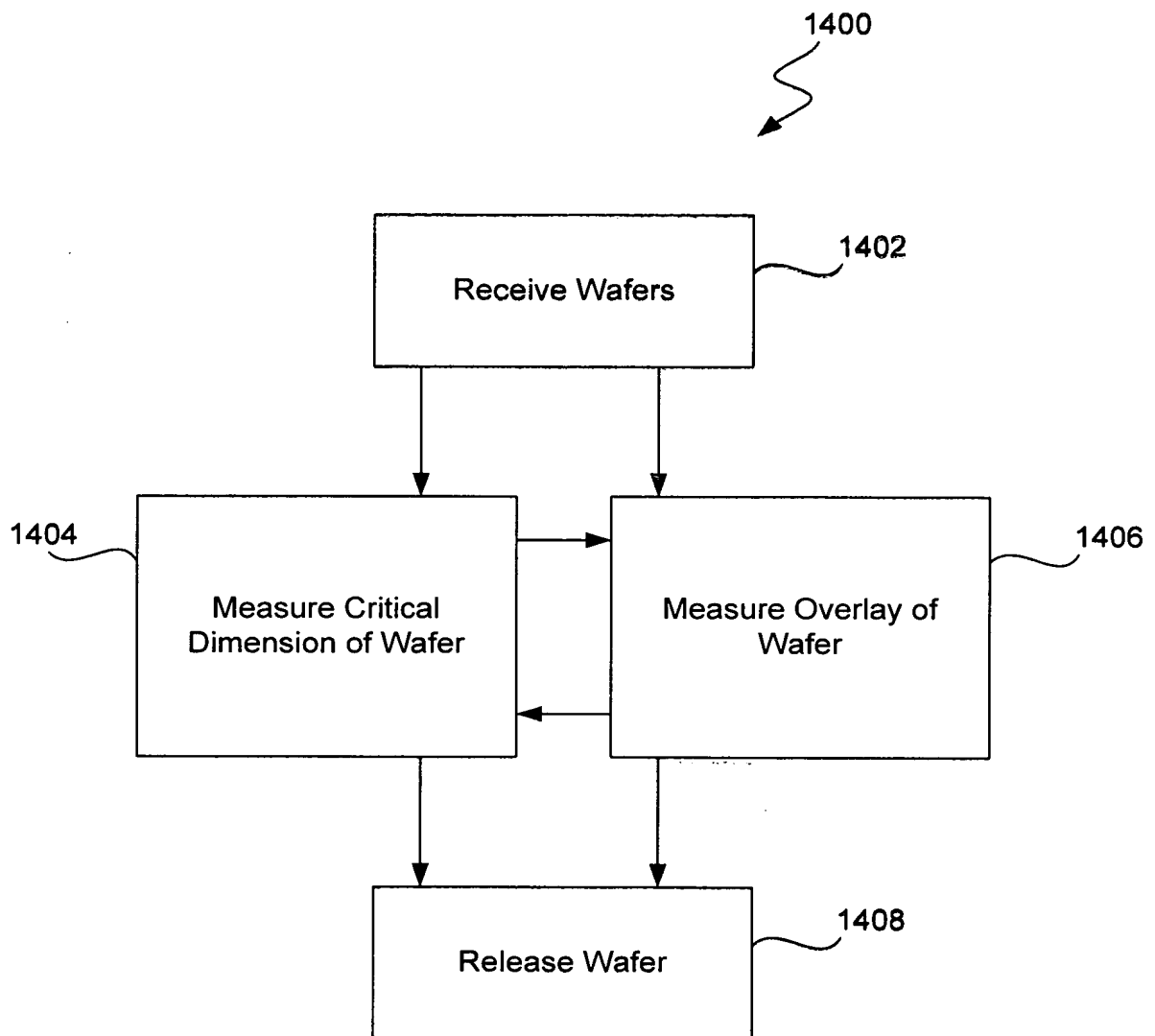
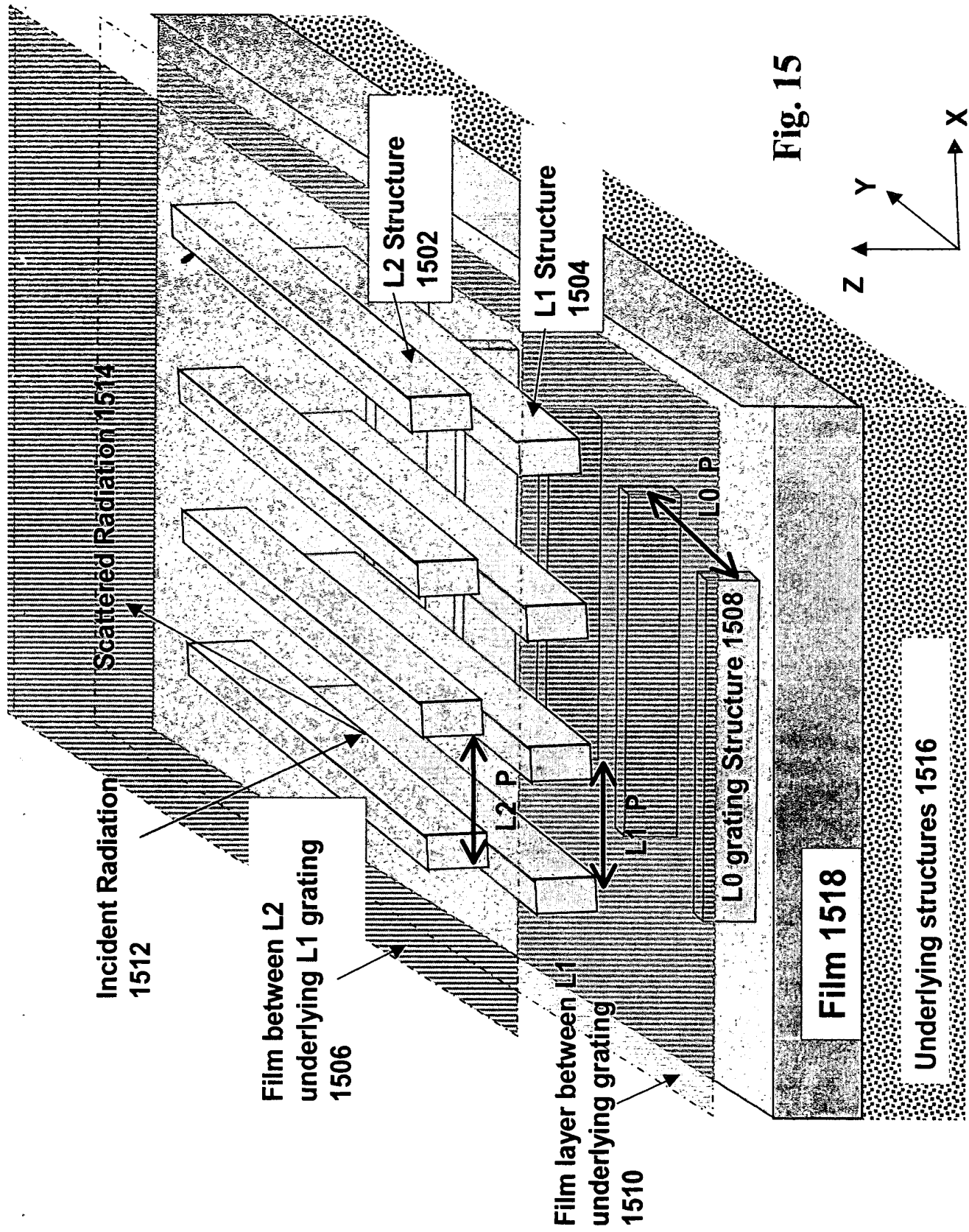


Fig. 14



**Fig. 15**